**BRUHAT BANGALORE MAHANAGARA PALIKE**

# MEASUREMENT SHEET

## RA 1ST AND FINAL BILL

Name of work: Improvements To Roads and Drain at Thindlu, Anjaneyaswamy Layout, Basavasamithi, Virupakshapura and Surronding Areas in ward no 09 (Vidyaranyapura).

Estimated Cost : Rs. 80.00 Lakhs

Job Code: 009-20-000075

Head of Account : P-0541 Emergency Reserve Fund

Name of Agency: Sri. P. Vijaya Babu, # H No. 1504, 4th C Main, 2nd Stage, West of Cord Road, Bangalore - 560086.

Work order No: BBMP/EE/BTP/WO/205/2020-21 Dated: 04.03.2021.

Measurements Recarded on : 18-04-2022

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications | | | | | | | | Cum | |
| | Qty as per Premeasurement vide E-MB Page No. 01 to 04 is = | | | | | | | **605.75** | **207.00** | **125390.00** |
| 2 | Removing and refixing stone slabs of drains and pointing in CM (1:3) | | | | | | | | Sqm | |
| | Qty as per Premeasurement vide E-MB Page No. 05 to 06 is = | | | | | | | **1134.00** | **111.00** | **125874.00** |
| | Measurements Recarded on : | | | | | | | | | |
| 3 | Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete | | | | | | | | Sqm | |
| | Virupakshapura Mauuthi Layout 2nd Cross | | | | | | | | | |
| | | 1 | 6.50 | | | 1.35 | | 8.78 | | |
| | | 1 | 8.90 | | | 1.35 | | 12.02 | | |
| | | 1 | 10.20 | | | 1.35 | | 13.77 | | |
| | | 1 | 6.80 | | | 1.35 | | 9.18 | | |
| | | 1 | 6.80 | | | 1.35 | | 9.18 | | |
| | | 1 | 14.20 | | | 1.35 | | 19.17 | | |
| | Virupakshapura Mauuthi Layout 2nd 'A' Cross | | | | | | | | | |
| | | 1 | 15.20 | | | 1.35 | | 20.52 | | |
| | | 1 | 13.50 | | | 1.35 | | 18.23 | | |
| | | 1 | 12.90 | | | 1.35 | | 17.42 | | |
| | Virupakshapura Mauuthi Layout 3rd Cross | | | | | | | | | |
| | | 1 | 12.00 | | | 1.35 | | 16.20 | | |
| | | 1 | 14.20 | | | 1.35 | | 19.17 | | |
| | | 1 | 13.50 | | | 1.35 | | 18.23 | | |
| | | | | | | | | 181.85 | | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 13.80 | | | 1.35 | | 18.63 | 181.37 | |
| | | 1 | 12.30 | | | 1.35 | | 16.61 | | |
| | | 1 | 13.10 | | | 1.35 | | 17.69 | | |
| | | 1 | 10.20 | | | 1.35 | | 13.77 | | |
| | Virupakshapura Mauuthi Layout 3rd 'A' Cross | | | | | | | | | |
| | | 1 | 10.00 | | | 1.35 | | 13.50 | | |
| | | 1 | 8.20 | | | 1.35 | | 11.07 | | |
| | | 1 | 6.50 | | | 1.35 | | 8.78 | | |
| | | 1 | 8.60 | | | 1.35 | | 11.61 | | |
| | | 1 | 6.80 | | | 1.35 | | 9.18 | | |
| | | 1 | 5.80 | | | 1.35 | | 7.83 | | |
| | | 1 | 5.20 | | | 1.35 | | 7.02 | | |
| | | 1 | 1.60 | | | 1.35 | | 2.16 | | |
| | Virupakshapura Mauuthi Layout 4th Cross | | | | | | | | | |
| | | 1 | 5.50 | | | 1.35 | | 7.43 | | |
| | | 1 | 6.50 | | | 1.35 | | 8.78 | | |
| | | 1 | 8.50 | | | 1.35 | | 11.48 | | |
| | Virupakshapura Mauuthi Layout 4th A Cross | | | | | | | | | |
| | | 1 | 10.20 | | | 1.35 | | 13.77 | | |
| | | 1 | 6.00 | | | 1.35 | | 8.10 | | |
| | | 1 | 7.00 | | | 1.35 | | 9.45 | | |
| | | | Total Qty = | | | | | 378.68 | | |
| | **Total** | | Qty Limited to = | | | | | **378.00** | **742.00** | **280476.00** |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Engineer 18/4/2022
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Measurements Recarded on : 18.04.2022 | | | | | | | | | |
| 4 | Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification | | | | | | | | Cum | |
| | Qty as per Premeasurement vide E-MB Page No. 07 to 08 is = | | | | | | | **146.34** | **5421.00** | **793309.00** |
| 5 | Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications | | | | | | | | Sqm | |
| | Qty as per Premeasurement vide E-MB Page No. 09 to 10 is = | | | | | | | **1300.80** | **979.00** | **1273483.00** |
| 6 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. | | | | | | | | Cum | |
| | Qty as per Premeasurement vide E-MB Page No. 11 to 12 is = | | | | | | | **65.04** | **5599.00** | **364159.00** |
| 7 | Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work, curing, including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete. (Data Rate) | | | | | | | | Sqm | |
| | Virupakhspura Maruthi Layout 2nd Cross | | | | | | | | | |
| | N/S | 1 | 15.00 | | | | 0.90 | 13.50 | | |
| | | 1 | 15.00 | | | | 0.90 | 13.50 | | |
| | | 1 | 15.00 | | | | 0.90 | 13.50 | | |
| | | 1 | 3.35 | | | | 0.90 | 3.02 | | |
| | | 1 | 1.80 | | | | 0.90 | 1.62 | | |
| | | 1 | 15.00 | | | | 0.90 | 13.50 | | |
| | | 1 | 8.00 | | | | 0.90 | 7.20 | | |
| | S/S | | | | | | | | | |
| | | 1 | 15.00 | | | | 0.90 | 13.50 | | |
| | | 1 | 7.00 | | | | 0.90 | 6.30 | | |
| | | 1 | 5.10 | | | | 0.90 | 4.59 | | |
| | | 1 | 3.20 | | | | 0.90 | 2.88 | | |
| | | 1 | 4.20 | | | | 0.90 | 3.78 | | |
| | Virupakhspura Maruthi Layout 2nd 'A' Cross | | | | | | | | | |
| | N/S | 1 | 11.70 | | | | 0.90 | 10.53 | | |
| | | 1 | 3.80 | | | | 0.90 | 3.42 | | |
| | | 1 | 11.70 | | | | 0.90 | 10.53 | | |
| | | 1 | 15.00 | | | | 0.90 | 13.50 | | |

Executive Engineer

Assistant Executive Engineer
Yelahanka Sub Division
BBMP, Bangalore - 64

134.82

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 7.90 | | | 0.90 | | 7.11 | 134.87 | |
| | S/S | | | | | | | | | |
| | | 1 | 14.80 | | | 0.90 | | 13.32 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 14.50 | | | 0.90 | | 13.05 | | |
| | Virupakhspura Maruthi Layout 3rd Cross | | | | | | | | | |
| | S/S | 1 | 15.00 | | | 0.75 | | 11.25 | | |
| | | 1 | 15.00 | | | 0.75 | | 11.25 | | |
| | | 1 | 8.60 | | | 0.75 | | 6.45 | | |
| | | 1 | 0.60 | | | 0.90 | | 0.54 | | |
| | | 1 | 1.20 | | | 0.90 | | 1.08 | | |
| | | 1 | 0.60 | | | 0.90 | | 0.54 | | |
| | | 1 | 0.60 | | | 0.75 | | 0.45 | | |
| | | 1 | 15.00 | | | 0.75 | | 11.25 | | |
| | | 1 | 15.00 | | | 0.75 | | 11.25 | | |
| | | 1 | 11.00 | | | 0.75 | | 8.25 | | |
| | N/S | | | | | | | | | |
| | | 1 | 1.80 | | | 0.90 | | 1.62 | | |
| | | 1 | 3.70 | | | 0.90 | | 3.33 | | |
| | | 1 | 12.90 | | | 0.90 | | 11.61 | | |
| | | 1 | 1.20 | | | 0.90 | | 1.08 | | |
| | | 1 | 7.40 | | | 0.90 | | 6.66 | | |
| | Virupakhspura Maruthi Layout 3rd 'A' Cross | | | | | | | | | |
| | S/S | 1 | 10.20 | | | 0.75 | | 7.65 | | |
| | | 1 | 15.00 | | | 0.75 | | 11.25 | | |
| | | 1 | 2.90 | | | 0.75 | | 2.18 | | |
| | N/S | | | | | | | | | |
| | | 1 | 9.20 | | | 0.90 | | 8.28 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 3.20 | | | 0.90 | | 2.88 | | |
| | | 1 | 15.00 | | | 0.75 | | 11.25 | | |
| | | 1 | 2.90 | | | 0.75 | | 2.18 | | |
| | | 1 | 4.90 | | | 0.75 | | 3.68 | | |
| | Virupakhspura Maruthi Layout 4th Cross | | | | | | | | | |
| | N/S | 1 | 7.00 | | | 0.90 | | 6.30 | | |
| | | 1 | 0.60 | | | 0.90 | | 0.54 | | |
| | | 1 | 12.60 | | | 0.90 | | 11.34 | | |
| | S/S | | | | | | | | | 376.47 |

CFC. Executive Engineer

CFC Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 13.60 | | | 0.90 | | 12.24 | 32647 | |
| | | 1 | 7.10 | | | 0.90 | | 6.39 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 5.50 | | | 0.90 | | 4.95 | | |
| | Virupakhspura Maruthi Layout 4th 'A' Cross | | | | | | | | | |
| | S/S | 1 | 8.70 | | | 0.90 | | 7.83 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 2.80 | | | 0.90 | | 2.52 | | |
| | | 1 | 3.70 | | | 0.90 | | 3.33 | | |
| | | 1 | 10.90 | | | 0.90 | | 9.81 | | |
| | N/S | | | | | | | | | |
| | | 1 | 10.50 | | | 0.75 | | 7.88 | | |
| | | 1 | 5.00 | | | 0.75 | | 3.75 | | |
| | | 1 | 11.70 | | | 0.75 | | 8.78 | | |
| | | 1 | 12.00 | | | 0.75 | | 9.00 | | |
| | | 1 | 0.60 | | | 0.75 | | 0.45 | | |
| | | 1 | 1.80 | | | 0.75 | | 1.35 | | |
| | Virupakhspura Maruthi Layout 5th 'A' Cross | | | | | | | | | |
| | S/S | 1 | 15.00 | | | 0.75 | | 11.25 | | |
| | | 1 | 12.20 | | | 0.75 | | 9.15 | | |
| | | 1 | 2.40 | | | 0.75 | | 1.80 | | |
| | Virupakhspura Maruthi Layout 6th 'A' Cross | | | | | | | | | |
| | N/S | 1 | 4.00 | | | 0.90 | | 3.60 | | |
| | | 1 | 10.60 | | | 0.90 | | 9.54 | | |
| | | 1 | 12.00 | | | 0.90 | | 10.80 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 16.20 | | | 0.90 | | 14.58 | | |
| | | | | | | | | | | |
| | | 1 | 11.10 | | | 0.90 | | 9.99 | | |
| | | 1 | 11.10 | | | 0.90 | | 9.99 | | |
| | | 1 | 10.20 | | | 0.90 | | 9.18 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 13.80 | | | 0.90 | | 12.42 | | |
| | | 1 | 4.30 | | | 0.90 | | 3.87 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |

695.91

Assistant Executive Engineer
Vidyaranyapura Sub Divisi...
BBMP, Bangalore - 97

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 5.10 | | | 0.90 | | 4.59 | 695.91 | |
| | | 1 | 16.30 | | | 0.90 | | 14.67 | | |
| | | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | | 1 | 6.50 | | | 0.90 | | 5.85 | | |
| | | 1 | 11.90 | | | 0.90 | | 10.71 | | |
| | | 1 | 13.30 | | | 0.90 | | 11.97 | | |
| | | 1 | 13.10 | | | 0.90 | | 11.79 | | |
| | | | Total Qty = | | | | | 768.99 | | |
| | Total | | Qty Limited to = | | | | | 768.60 | 2337.00 | 1796218.00 |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Engineer
Ward No. 09
18/4/2022

Assistant Executive Engineer
Vidyaranyapura Sub Division

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Measurements Recarded on : 18.04.2022 | | | | | | | | | |
| 8 | **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead | | | | | | | | Cum | |
| | Qty as per Premeasurement vide E-MB Page No. 13 to 14 is = | | | | | | | **215.94** | **56.00** | **12093.00** |
| 9 | Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications | | | | | | | | Cum | |
| | Qty as per Premeasurement vide E-MB Page No. 15 to 16 is = | | | | | | | **254.06** | **2001.00** | **508374.00** |
| 10 | Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications | | | | | | | | Sqm | |
| | Qty as per Premeasurement vide E-MB Page No. 17 to 18 is = | | | | | | | **1016.25** | **29.00** | **29471.00** |
| 11 | Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen | | | | | | | | Cum | |
| | Qty as per Premeasurement vide E-MB Page No. 19 to 20 is = | | | | | | | **50.81** | **7000.00** | **355670.00** |
| 12 | Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. | | | | | | | | Sqm | |
| | Qty as per Premeasurement vide E-MB Page No. 21 to 22 is = | | | | | | | **4065.00** | **6.00** | **24390.00** |
| 13 | Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications | | | | | | | | Sqm | |
| | | | Qty Vide Item no. 13 | | | | | 4065.00 | | |
| | **Total** | | | | | | | **4065.00** | **25.50** | **103658.00** |
| 14 | Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). | | | | | | | | Cum | |
| | Virupakshapura Mauuthi Layout 2nd Cross | | | | | | | | | |

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Dead End to Maramma Temple Road | 1 | 15.00 | 4.50 | 4.80 | 4.65 | 0.04 | 2.79 | | |
| | | 1 | 15.00 | 4.80 | 5.80 | 5.30 | 0.04 | 3.18 | | |
| | | 1 | 15.00 | 5.80 | 4.20 | 5.00 | 0.04 | 3.00 | | |
| | | 1 | 15.00 | 4.20 | 4.10 | 4.15 | 0.04 | 2.49 | | |
| | | 1 | 15.00 | 4.10 | 5.30 | 4.70 | 0.04 | 2.82 | | |
| | | 1 | 15.00 | 5.30 | 5.60 | 5.45 | 0.04 | 3.27 | | |
| | | 1 | 15.00 | 5.60 | 5.60 | 5.60 | 0.04 | 3.36 | | |
| | | 1 | 9.00 | 5.60 | 5.70 | 5.65 | 0.04 | 2.03 | | |
| | Virupakshapura Mauuthi Layout 2nd 'A' Cross | | | | | | | | | |
| | From Dead End to Maramma Temple Road | 1 | 15.00 | 5.70 | 5.70 | 5.70 | 0.04 | 3.42 | | |
| | | 1 | 15.00 | 5.70 | 5.90 | 5.80 | 0.04 | 3.48 | | |
| | | 1 | 15.00 | 5.90 | 5.40 | 5.65 | 0.04 | 3.39 | | |
| | | 1 | 15.00 | 5.40 | 5.40 | 5.40 | 0.04 | 3.24 | | |
| | | 1 | 15.00 | 5.40 | 5.55 | 5.48 | 0.04 | 3.29 | | |
| | | 1 | 15.00 | 5.55 | 5.70 | 5.63 | 0.04 | 3.38 | | |
| | | 1 | 15.00 | 5.70 | 5.95 | 5.83 | 0.04 | 3.50 | | |
| | | 1 | 3.00 | 5.95 | 6.00 | 5.98 | 0.04 | 0.72 | | |
| | Virupakshapura Mauuthi Layout 3rd Cross | | | | | | | | | |
| | From Nipuna Cross to Maramma Temple Road | 1 | 15.00 | 6.20 | 6.50 | 6.35 | 0.04 | 3.81 | | |
| | | 1 | 15.00 | 6.50 | 6.40 | 6.45 | 0.04 | 3.87 | | |
| | | 1 | 15.00 | 6.40 | 5.90 | 6.15 | 0.04 | 3.69 | | |
| | | 1 | 15.00 | 5.90 | 5.50 | 5.70 | 0.04 | 3.42 | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.04 | 3.30 | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.04 | 3.30 | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.04 | 3.30 | | |
| | | 1 | 15.00 | 5.50 | 5.70 | 5.60 | 0.04 | 3.36 | | |
| | | 1 | 15.00 | 5.70 | 5.10 | 5.40 | 0.04 | 3.24 | | |
| | | 1 | 9.70 | 5.10 | 5.70 | 5.40 | 0.04 | 2.10 | | |
| | Virupakshapura Mauuthi Layout 3rd 'A' Cross | | | | | | | | | |
| | From Dead End to Maramma Temple Road | 1 | 15.00 | 6.20 | 5.90 | 6.05 | 0.04 | 3.63 | | |
| | | 1 | 15.00 | 5.90 | 5.20 | 5.55 | 0.04 | 3.33 | | |
| | | 1 | 15.00 | 5.20 | 4.20 | 4.70 | 0.04 | 2.82 | | |
| | | 1 | 15.00 | 4.20 | 5.00 | 4.60 | 0.04 | 2.76 | | |
| | | 1 | 15.00 | 5.00 | 4.70 | 4.85 | 0.04 | 2.91 | | |
| | | 1 | 15.00 | 4.70 | 4.70 | 4.70 | 0.04 | 2.82 | | |
| | | 1 | 15.00 | 4.70 | 5.80 | 5.25 | 0.04 | 3.15 | | |
| | | 1 | 13.00 | 5.80 | 5.20 | 5.50 | 0.04 | 2.86 | | |
| | Virupakshapura Mauuthi Layout 4th Cross | | | | | | | | | |

CFC. Executive Engineer

Assistant Executive Engineer Nagarabhavi Sub Division BBMP, Bangalore

106.01

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Apartment to Maramma Temple Road | 1 | 15.00 | 6.90 | 4.80 | 5.85 | 0.04 | 3.51 | 105.01 | |
| | | 1 | 15.00 | 4.80 | 4.90 | 4.85 | 0.04 | 2.91 | | |
| | | 1 | 15.00 | 4.90 | 4.70 | 4.80 | 0.04 | 2.88 | | |
| | | 1 | 15.00 | 4.70 | 4.70 | 4.70 | 0.04 | 2.82 | | |
| | | 1 | 15.00 | 4.70 | 4.60 | 4.65 | 0.04 | 2.79 | | |
| | | 1 | 15.00 | 4.60 | 4.80 | 4.70 | 0.04 | 2.82 | | |
| | | 1 | 15.00 | 4.80 | 5.60 | 5.20 | 0.04 | 3.12 | | |
| | | 1 | 4.30 | 5.60 | 6.00 | 5.80 | 0.04 | 1.00 | | |
| | Virupakshapura Mauuthi Layout 4th 'A' Cross | | | | | | | | | |
| | Dead End to Maramma Temple Road | 1 | 15.00 | 5.20 | 4.25 | 4.73 | 0.04 | 2.84 | | |
| | | 1 | 15.00 | 4.25 | 6.30 | 5.28 | 0.04 | 3.17 | | |
| | | 1 | 15.00 | 6.30 | 6.50 | 6.40 | 0.04 | 3.84 | | |
| | | 1 | 15.00 | 6.50 | 6.00 | 6.25 | 0.04 | 3.75 | | |
| | | 1 | 15.00 | 6.00 | 6.10 | 6.05 | 0.04 | 3.63 | | |
| | | 1 | 15.00 | 6.10 | 5.30 | 5.70 | 0.04 | 3.42 | | |
| | | 1 | 15.00 | 5.30 | 5.70 | 5.50 | 0.04 | 3.30 | | |
| | | 1 | 15.00 | 5.70 | 5.40 | 5.55 | 0.04 | 3.33 | | |
| | | 1 | 6.70 | 5.40 | 5.30 | 5.35 | 0.04 | 1.43 | | |
| | Virupakshapura Mauuthi Layout 5th 'A' Cross | | | | | | | | | |
| | Dead End to Maramma Temple Road | 1 | 15.00 | 3.80 | 4.00 | 3.90 | 0.04 | 2.34 | | |
| | | 1 | 15.00 | 4.00 | 4.50 | 4.25 | 0.04 | 2.55 | | |
| | | 1 | 15.00 | 4.50 | 4.40 | 4.45 | 0.04 | 2.67 | | |
| | | 1 | 16.50 | 4.40 | 4.70 | 4.55 | 0.04 | 3.00 | | |
| | Deductions for Chambers | 6 | 0.60 | | | 0.60 | 0.04 | -0.09 | | |
| | | 9 | 0.60 | | | 0.90 | 0.04 | -0.19 | | |
| | | | | **Total Qty =** | | | | **165.84** | | |
| | **Total** | | | **Qty Limited to =** | | | | **162.60** | **9000.00** | **1463400.00** |

C&FC
Executive Engineer
9/8/04

C&FC
18/4/22
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Engineer
Ward No. 09
18/4/2022

Assistant Executive Engineer
Vidyaranyapura Sub Division

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Measurements Recarded on : | 18-04-2022 | | | | | | | | |
| 15 | **Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. | | | | | | | | Sqm | |
| | Virupakshapura Mauuthi Layout 2nd Cross | | | | | | | | | |
| | From Dead End to Maramma Temple Road | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 9.00 | | | 0.10 | | 1.80 | | |
| | Virupakshapura Mauuthi Layout 2nd 'A' Cross | | | | | | | | | |
| | From Dead End to Maramma Temple Road | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 3.00 | | | 0.10 | | 0.60 | | |
| | Virupakshapura Mauuthi Layout 3rd Cross | | | | | | | | | |
| | From Nipuna Cross to Maramma Temple Road | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 9.70 | | | 0.10 | | 1.94 | | |
| | Virupakshapura Mauuthi Layout 3rd 'A' Cross | | | | | | | | | |
| | From Dead End to Maramma Temple Road | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 13.00 | | | 0.10 | | 2.60 | | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

16.04

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Virupakshapura Mauuthi Layout 4th Cross | | | | | | | | 96.94 | |
| | Apartment to Maramma Temple Road | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 4.30 | | | 0.10 | | 0.86 | | |
| | Virupakshapura Mauuthi Layout 4th 'A' Cross | | | | | | | | | |
| | Dead End to Maramma Temple Road | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 6.70 | | | 0.10 | | 1.34 | | |
| | Virupakshapura Mauuthi Layout 5th 'A' Cross | | | | | | | | | |
| | Dead End to Maramma Temple Road | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 16.50 | | | 0.10 | | 3.30 | | |
| | | | | | | | | | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 15.00 | | | 0.10 | | 3.00 | | |
| | | 2 | 5.00 | | | 0.10 | | 1.00 | | |
| | | | Total Qty = | | | | | 163.44 | | |
| | **Total** | | Qty Limited to = | | | | | **162.60** | **454.00** | **73820.00** |

Assistant Engineer 18/4/2022
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer 18/4/22
Vidyaranyapura Sub Division
FBMP, Bangalore - 97

| Sl No | Description of work | Mesurement No. | L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Measurements Recarded on : | 18-04-2022 | | | | | | | | |
| 16 | Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. | | | | | | | | Nos | |
| | **Kerb Stone** | | | | | | | | | |
| | Maruthi Layout, Virupakshapura | 1.00 | 15.00 | | | | | 15.00 | | |
| | | 1.00 | 15.00 | | | | | 15.00 | | |
| | | 1.00 | 15.00 | | | | | 15.00 | | |
| | | 1.00 | 11.00 | | | | | 11.00 | | |
| | | | | | | | | | | |
| | | 1.00 | 15.00 | | | | | 15.00 | | |
| | | 1.00 | 15.00 | | | | | 15.00 | | |
| | | 1.00 | 15.00 | | | | | 15.00 | | |
| | | | | | | Sub Total | | 101.00 | | |
| | Total length | | | | | | | 101.00 | | |
| | No of Kerb Stones | | Total Length/0.45 | | | | | 224 | | |
| | | | **Total Qty =** | | | | | **224** | | |
| | **Total** | | **Qty Limited to =** | | | | | **222** | **432.00** | **95904.00** |

Assistant Engineer
Ward No. 09
18/4/2022

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Sl No | Description of work | No. | Mesurement L | B1 | B2 | Av.,B | D | Qty | Rate / Unit | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Measurements Recarded on : | 18-04-2022 | | | | | | | | |
| 17 | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. | | | | | | | | Sqm | |
| | **Kerb Stone Priming Coat** | | | | | | | | | |
| | Maruthi Layout, Virupakshapura | 1.00 | 15.00 | | | | 0.35 | 5.25 | | |
| | | 1.00 | 15.00 | | | | 0.35 | 5.25 | | |
| | | 1.00 | 15.00 | | | | 0.35 | 5.25 | | |
| | | 1.00 | 11.00 | | | | 0.35 | 3.85 | | |
| | | 1.00 | 15.00 | | | | 0.35 | 5.25 | | |
| | | 1.00 | 15.00 | | | | 0.35 | 5.25 | | |
| | | 1.00 | 15.00 | | | | 0.35 | 5.25 | | |
| | | | **Total Qty =** | | | | | 35.35 | | |
| | **Total** | | **Qty Limited to =** | | | | | 35.00 | 84.00 | 2940.00 |
| | | | | | | | | | **Sub Total** | 7428629.00 |
| | | | | | | | | | **GST @ 12%** | 891435.00 |
| | | | | | | | | | **Grand Total** | 8320064.00 |

Assistant Engineer
Ward No. 09
18/4/2022

Assistant Executive Engineer
Vidyaranyapura Sub Division